# BRUHAT BANGALORE MAHANAGARA PALIKE
## YELAHANKA ZONE

***NAME OF WORK:-*** *Detailed Estimate for the Improvements of Main Roads and Cross Roads from 13th cross to 18th cross, 1st cross to 4th cross Roads & Drains in Jakkur layout in ward No. 7 Byatarayanpura, Kodigehalli sub division*

ESTIMATED COST 185.00 Lakhs

| Sl No | Description of work | Unit | No | L | B | D | Quantity | Rate in Rs | Amount in Rs |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Removing BS Slab of drain and stacking. | | | | | | | | |
| | (P.No.28, I.No.5.32 of PW,P&IWTD S.R 2012-13) | | | | | | Sqm | | |
| | Main Roads | | | | | | | | |
| | 1st Main ro 3rd Main | | 3x2 | 350 | 1.65 | | 3465 | | |
| | Cross Road | | | | | | | | |
| | 13th cross to 18th cross | | 6x2 | 300.00 | 1.65 | | 5940 | | |
| | 1st cross to 4th cross | | 5x2 | 200.00 | 1.65 | | 3300 | | |
| | | | | | | | **12705.00** | 44.47 | **565047.00** |
| | Basic Rate Rs. | 41.18 | | | | | | | |
| | Add 8% A.W Rs. | 3.29 | | | | | | | |
| | **Total Rate Rs.** | **44.47** | | | | | | | |
| 2 | Refixing stone slabs of drains and pointing in CM 1:3. | | | | | | | | |
| | (P.No.28, I.No. 5.33 of PW,P&IWTD S.R 2012-13) | | | | | | | | |
| | | Sqm | Qty Same as I.No.1 (70%) | | | | **8893.50** | 63.00 | **560258.00** |
| | Basic Rate Rs. | 58.33 | | | | | | | |
| | Add 8% A.W Rs. | 4.67 | | | | | | | |
| | **Total Rate Rs.** | **63.00** | | | | | | | |
| 3 | Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete. (7.50cms thick) | | | | | | Sqm | | |
| | (P.No.28, I.No.5.31.1 of PW,P&IWTD SR 2012-13) | | | | | | | | |
| | | | Qty Same as I.No.1 (30% | | | | **3811.50** | 315.36 | **1201995.00** |
| | Basic Rate Rs. | 292.00 | | | | | | | |
| | Add 8% A.W Rs. | 23.36 | | | | | | | |
| | **Total Rate Rs.** | **315.36** | | | | | | | |
| 4 | KSRRB M300-1: Earth work excavation by manual means in Ordinary Soil involving an average horizontal throw up to 2mts and an average lift up to 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH Chapter 3. | | | | | | Cum | | |
| | (P.No.150 I.No.19.1 of PW,P&IWTD S.R 2012-13) | | | | | | | | |
| | Main Roads | | | | | | | | |
| | 1st Main ro 3rd Main | | 3 | 350 | 8.00 | 0.20 | 1680.00 | | |
| | Cross Road | | | | | | | | |
| | 13th cross to 18th cross | | 6 | 300.00 | 8.00 | 0.20 | 2880.00 | | |
| | 1st cross to 4th cross | | 5 | 200.00 | 8.00 | 0.20 | 1600.00 | | |
| | | | | | | | **6160.00** | 58.32 | **359251.00** |
| | Basic Rate Rs. | 54.00 | | | | | | | |
| | Add 8% A.W Rs. | 4.32 | | | | | | | |
| | **Total Rate Rs.** | **58.32** | | | | | | | |
| 5 | KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. (158, I.No. 19.64 SR 2012-13) | | | | | | **Sqm** | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Main Roads | | | | | | | | |
| | 1st Main ro 3rd Main | | 3 | 350 | 8.00 | | 8400.00 | | |
| | Cross Road | | | | | | | | |
| | 13th cross to 18th cross | | 6 | 300.00 | 8.00 | | 14400.00 | | |
| | 1st cross to 4th cross | | 5 | 200.00 | 8.00 | | 8000.00 | | |
| | | | | | | | 30800.00 | 3.78 | 116424.00 |
| | Basic Rate | 3.50 | | | | | | | |
| | Area Weightage @ 8% | 0.28 | | | | | | | |
| | Total | 3.78 | | | | | | | |
| 6 | KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. (P. 167, Item No. 20.18 SR-2012-13 | | | | | | Cum | | |
| | Main Roads | | | | | | | | |
| | 1st Main ro 3rd Main | | 3 | 350 | 6.00 | 0.23 | 1449.00 | | |
| | UGD cut Potion | | 3 | 350 | 2.00 | 0.23 | 483.00 | | |
| | Cross Road | | | | | | | | |
| | 13th cross to 18th cross | | 6 | 300.00 | 6.00 | 0.20 | 2160.00 | | |
| | UGD cut Potion | | 6 | 300.00 | 2.00 | 0.23 | 828.00 | | |
| | 1st cross to 4th cross | | 5 | 200.00 | 6.00 | 0.20 | 1200.00 | | |
| | UGD cut Potion | | 5 | 200.00 | 2.00 | 0.23 | 460.00 | | |
| | Basic Rate Rs. | 981.00 | | | | | 6622.00 | 1059.48 | 7015877.00 |
| | Add 8% A.W Rs. | 78.48 | | | | | | | |
| | Total Rate Rs. | 1059.48 | | | | | | | |
| 7 | KSRRB M500-6. Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. (P. 172, Item No. 21.6 SR-2012-13) | | | | | | Sqm | | |
| | Main Roads | | | | | | | | |
| | 1st Main ro 3rd Main | | 3 | 350.00 | 6.00 | | 6300.00 | | |
| | Cross Road | | | | | | | | |
| | 13th cross to 18th cross | | 6 | 300.00 | 6.00 | | 10800.00 | | |
| | 1st cross to 4th cross | | 5 | 200.00 | 6.00 | | 6000.00 | | |
| | | | | | | | 30800.00 | 42.83 | 1319250.00 |
| | Basic Rate Rs. | 39.66 | | | | | | | |
| | Add 8% A.W Rs. | 3.17 | | | | | | | |
| | Total Rate Rs. | 42.83 | | | | | | | |
| 8 | KSRRB M500-18. Providing and laying semi dense bituminous concrete 25 mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.8 complete in all respects as per specifications. with 80/100 grade bitumen using 40-60 HMP using mechanical paver (P. 174, Item No. 21.20.5 SR-2012-13) | | | | | | Cum | | |
| | Main Roads | | | | | | | | |
| | 1st Main ro 3rd Main | | 3 | 350 | 6.00 | 0.040 | 252.00 | | |
| | Cross Road | | | | | | | | |
| | 13th cross to 18th cross | | 6 | 300.00 | 6.00 | 0.025 | 270.00 | | |
| | 1st cross to 4th cross | | 5 | 200.00 | 6.00 | 0.040 | 240.00 | | |
| | | | | | | | 770.00 | 9404.74 | 7241648.00 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Basic Rate Rs. | ~~8326.00~~ 8708.09 | | | | | | | |
| | Add 8% A.W Rs. | ~~666.08~~ 696.65 | | | | | | | |
| | **Total Rate Rs.** | **~~8992.08~~** 9404.74 | | | | | | | |
| 9 | Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading & unloading. From 0.00 to 5.00 Km ( Page No.141) | | | | | | | | |
| | Basic rate for haulage of materials as per item no.17.4 page 141) Rs. 2.00 | Cum | | | | | 1475.0 | 81.00 | 1,19,475=00 |
| | Average weight of earth 1.28 tonne / kg | | Qty vide Item No.4 | | | | ~~6160.00~~ | ~~37.44~~ | ~~230630.00~~ |
| | Basic Tate Lead Charges upto 2.00 Kms | ~~20.48~~ 12.80 | | | | | | | |
| | 2x1.28= | ~~2.56~~ 62.20 | | | | | | | |
| | Loading and unloading | ~~23.04~~ 75.00 | | | | | | | |
| | Average Weight of earth 1.28 tone/kg for 6x1.20x2.00=12.00 | ~~14.40~~ 6.00 81.00 | | | | | | | 775.00 |
| 10 | Miscelleneous & Rounding off | | | | | | | | ~~298676.00~~ |
| | | | | | | | Toatl Rs. | | 18500000.00 |

(Rupees:- One Eighty Five Lakhs Only)

**CERTIFICATE:**

1 The work spot has been inspected me and the work is found to be necessary.
2 The estimate is prepared as per PW, P&IWTD S.R Bangalore circle for the year 2012-2013
3 The Provisions made in the estimate are quite necessary and adequate.
4 The area comes with in the BBMP limits.

Junior Engineer
Ward No. 07

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP

Executive Engineer
Byatarayanapura Division
BBMP

Executive Engineer
Byatarayanapura Division
Yelahanka Zone, B.B.M.P.
Bangalore - 560 092

ADMINISTRATIVELY SANCTIONED FOR Rs 185.00 lakh
Rupees one Eighty five lakh only
Under
Registered as EE ( ) No 3 ...9...
Subject to conditions contained in
enclosed memo EE ( ) No ...191...
Dt Estimate A/Sanctioned
JC(Y) A/S 1156/13-14
dated 18/6/2013 Rs 185.00 lakh.

Joint Commissioner
(Yelahanka Zone)
BBMP. Bengaluru-92

18/6/13

Technical sanction for Rs. 185.00 lakhs
(Rs one hundred and eighty five lakhs only)
is accorded under head P.1828
registered as CE No CE/TS/137/13-14 Subject
to Conditions contained in enclosed memo
No. 137/13-14 Dr. 05/07/2013

AE/JE TA SE (BTP) CE (BTP)